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EUSTACHYS GLAUCA AND *E. CARIBAEA* (POACEAE: CHLORIDEAE): THE FIRST REPORTS FOR MISSISSIPPI—*Eustachys* Desv. is a small tropical and subtropical genus of ten species, that is principally found in the New World (Clayton and Renvoize 1986). Three species are now known to occur in Mississippi: *Eustachys caribaea* (Sprengel) Herter, *E. glauca* Chapm. and *E. petraea* (Sw.) Desv. *Eustachys caribaea*, native to South America, has been reported from Louisiana (McKenzie et al. 1987) and Texas (Wipff and Hatch 1992). *Eustachys glauca*, native to North America, has been reported from Florida, Georgia and North Carolina and is found in brackish marshes, wet prairies and swamps (Chase 1951). *Eustachys petraea* is found in the SE U.S.A., eastern Mexico, Belize, Honduras, Costa Rica, and Panama (Pohl 1980). In the United States, *E. petraea* occurs in the Coastal Plain from North Carolina west to Texas on coastal sands, sandy fields and open pine woods (Chase 1951).

KEY TO *EUSTACHYS* OF MISSISSIPPI

1. Lower (fertile) floret glabrous, rarely sparsely pubescent on the midvein and margins; second glume apex is rounded or minutely notched; lower (fertile) lemma dark chocolate brown to black *E. glauca*
1. Lower (fertile) floret conspicuously pubescent on the midvein and margins; second glume apex is conspicuously bifid, the lobes are rounded to acute; lower (fertile) lemma dark chocolate brown to black or pale to golden brown 2

- 2(1). Lower (fertile) lemma dark chocolate brown to black; lower lemma margins glabrous on the lower 1/2–2/3; the upper portion of the lemma margins with short usually appressed trichomes 0.1–0.4 mm long; upper most (sterile) lemma 0.8–1.0 (1.2) mm long *E. petraea*
2. Lower (fertile) lemma pale to golden brown; lower lemma margins pubescent the entire length; trichomes on the lower lemma margins appressed to spreading and more than 0.5 mm long; uppermost (sterile) lemma 1.3–1.5 mm long *E. caribaea*

***Eustachys caribaea* (Sprengel) Herter**

Voucher specimens. MISSISSIPPI: Harrison Co.: Gulfport, W jct. of Hwy 49 and 19th Street, T8S, R11W, S4; along edge of road and in a vacant lot, 11 Aug 1993, *C.T. Bryson 12661* (SWSL); Gulfport, W of Hwy 49, between 34th and Madison Street; vacant lot, open area, on sandy soil, 12 Aug 1993, *C.T. Bryson 12662* (SWSL).

***Eustachys glauca* Chapm.**

Voucher specimens. MISSISSIPPI. Hancock Co.: 1 mi S jct. Hwys US 90 and MS 607; NW of US 90; open roadside on humic sandy soil, 17 Oct 1993, *C.T. Bryson 13181* & *R. Carter* (IBE, SWSL, TAES). Harrison Co.: Gulfport, Mill Rd.; T7S, R11W, Sec. 25; old field adjacent to Bayou Bertrand, 11 Oct 1990; *T.C. Lockley s.n.* (SWSL).

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